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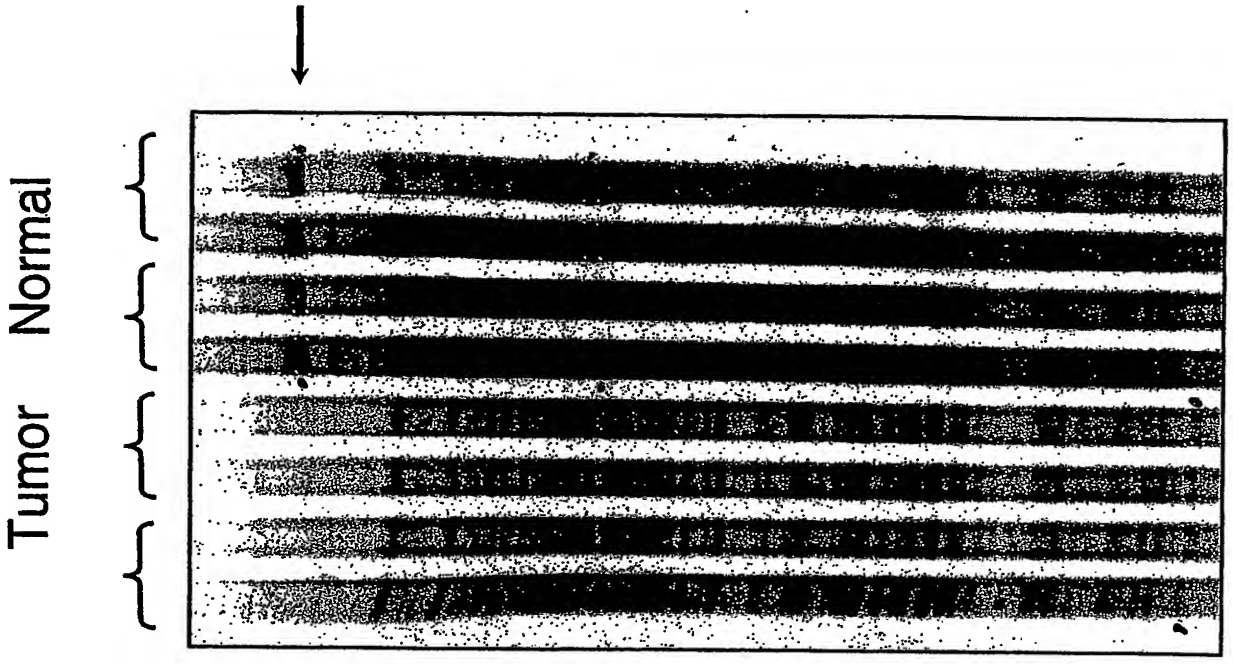


Fig. 1

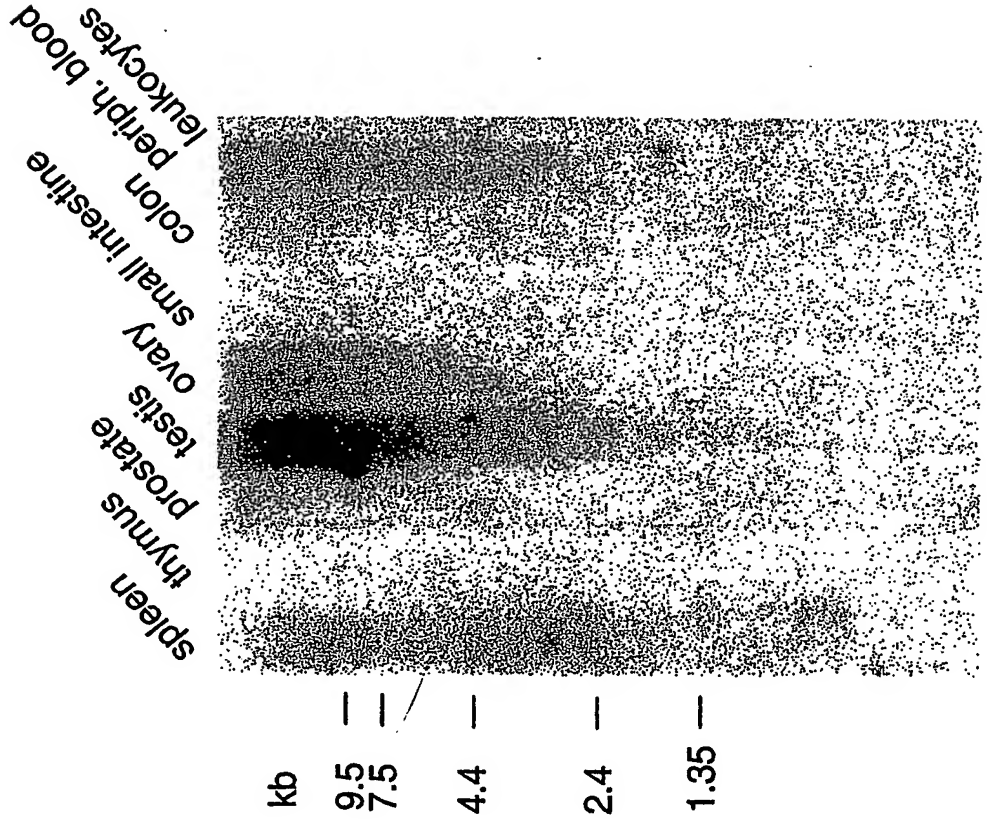
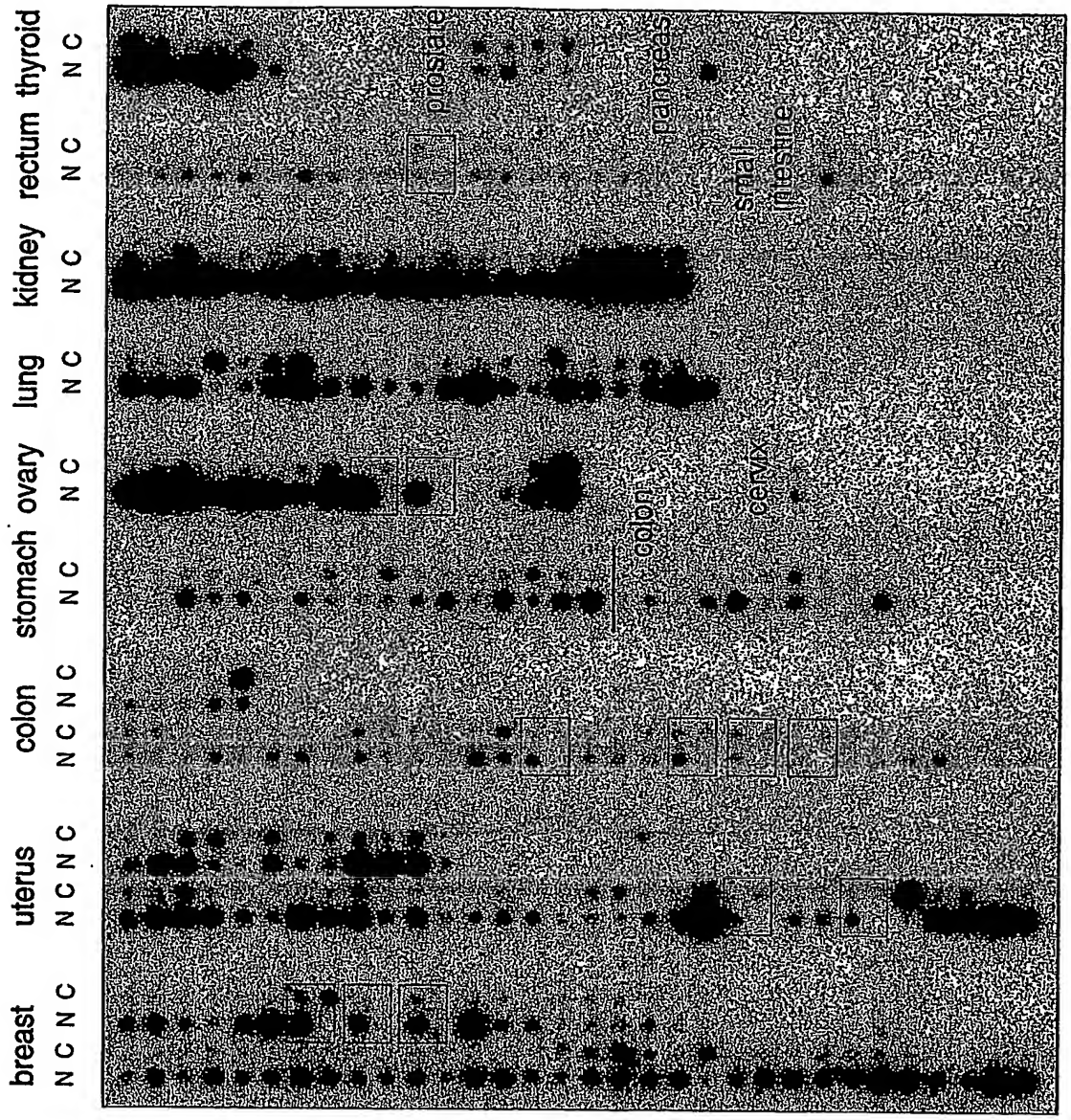

spleen
thymus
prostate
testis
ovary
small intestine
colon
periph. blood
leukocytes
kb
9.5
7.5
4.4
2.4
1.35

Fig. 2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uterus N C N C
colon N C N C
stomach N C
ovary N C
lung N C
kidney N C
rectum N C
thyroid N C
prostate
pancreas
colon
cervix
small intestine

Fig. 3

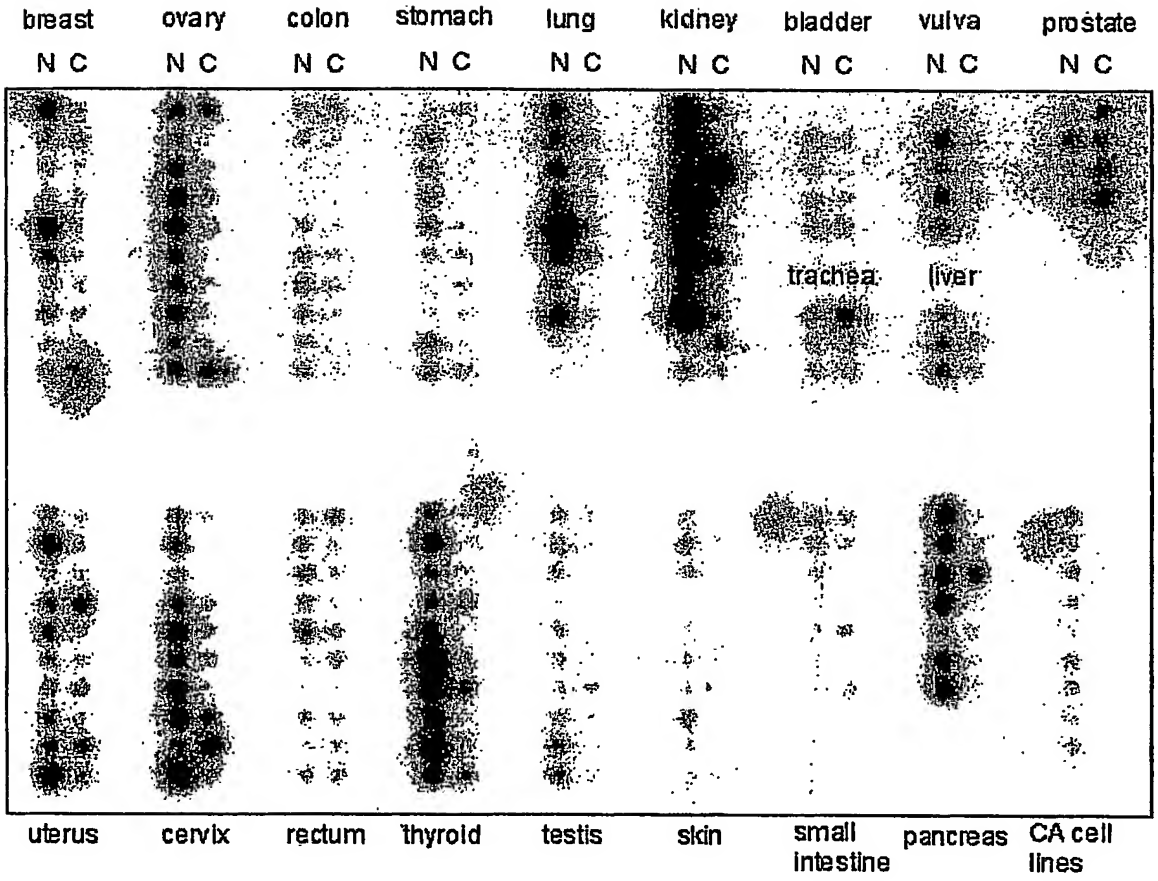
breast
ovary
colon
stomach
lung
kidney
bladder
vulva
prostate
N C
N C
N C
N C
N C
N C
N C
N C
N C
trachea
liver
uterus
cervix
rectum
thyroid
testis
skin
small intestine
pancreas
CA cell lines

Fig. 3a

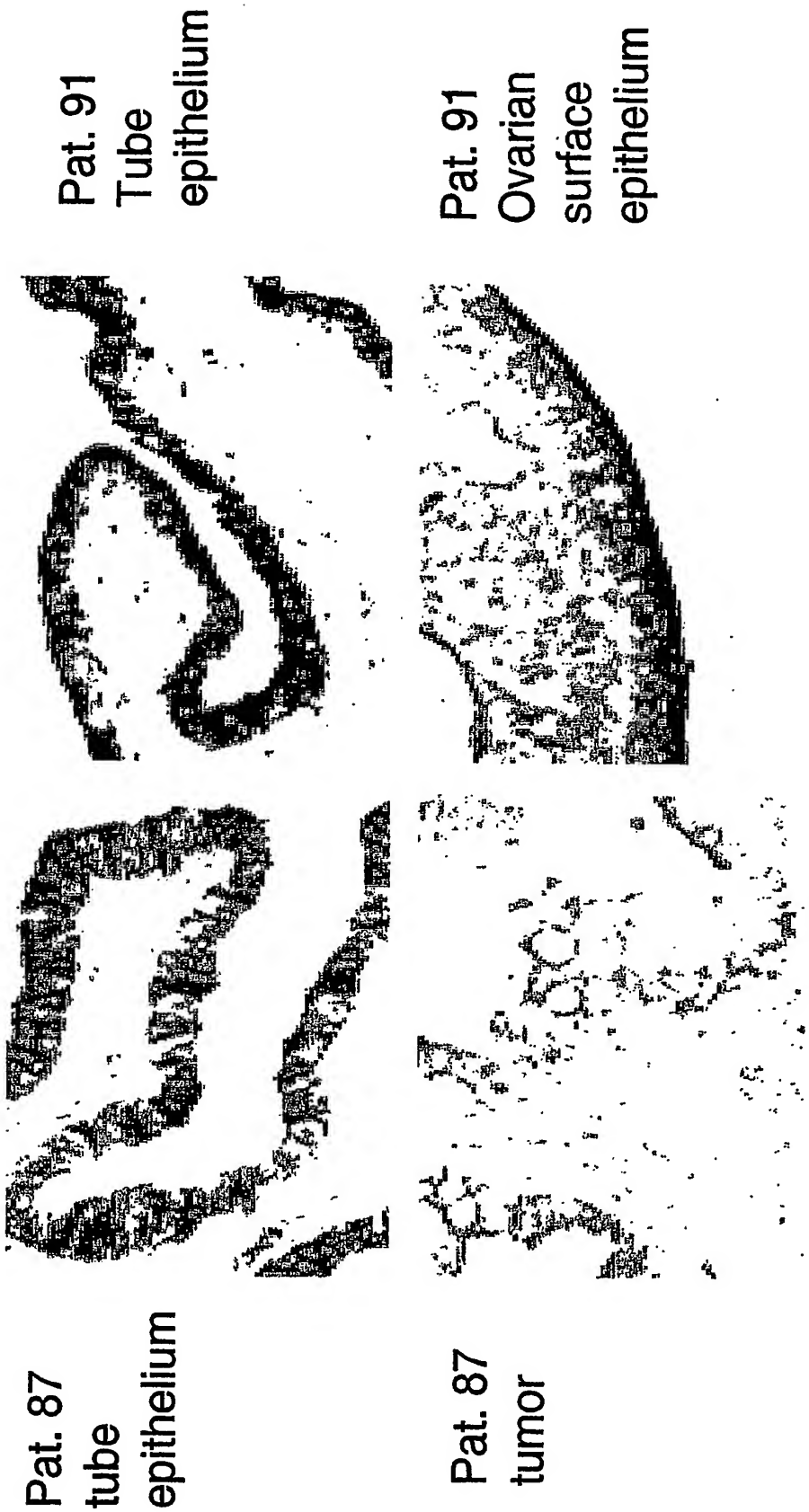
Pat. 91
Tube
epithelium
Pat. 91
Ovarian
surface
epithelium
Pat. 87
tube
epithelium
Pat. 87
tumor

Fig. 4

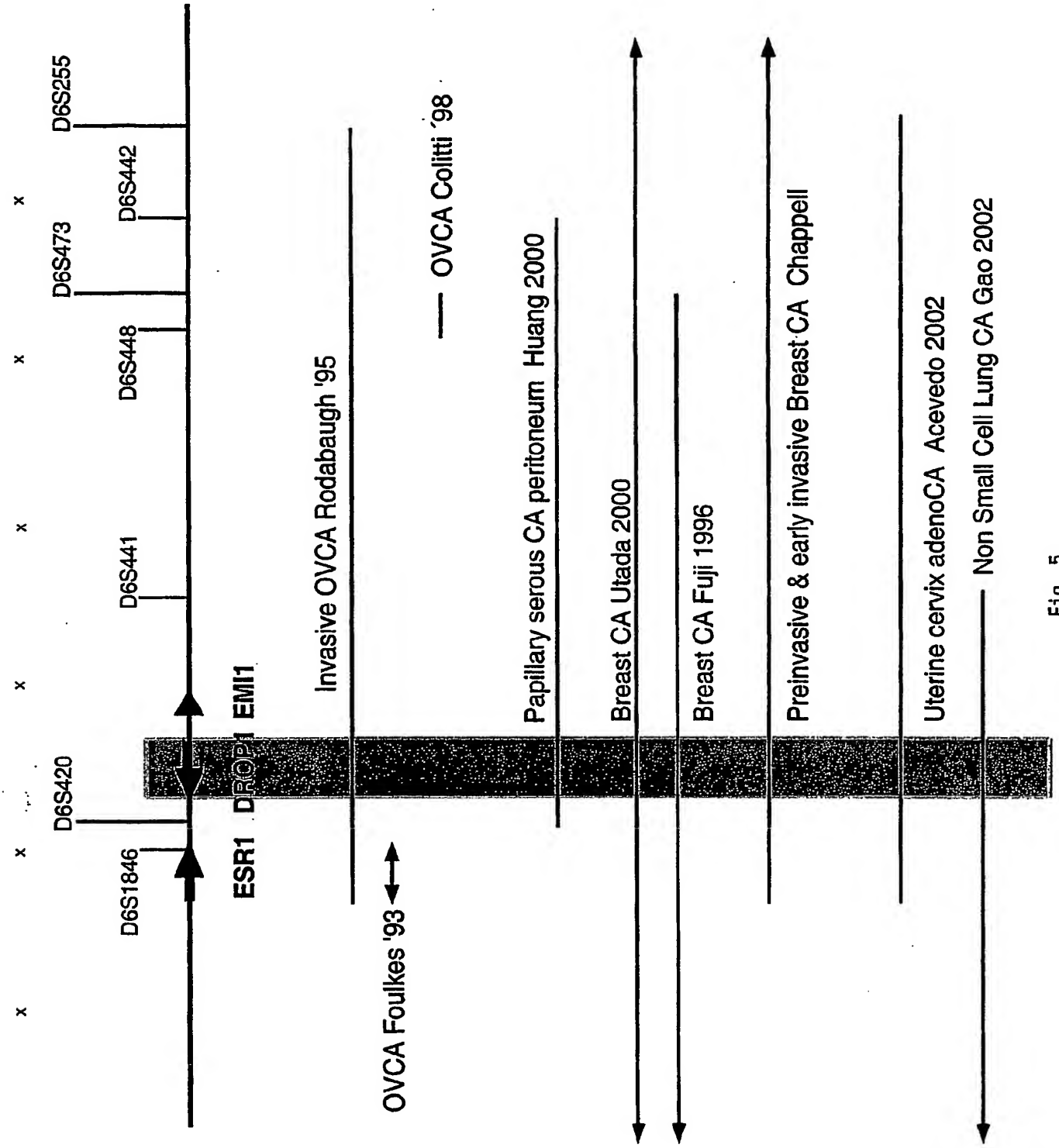
D6S255
D6S442
D6S473
D6S448
D6S441
D6S420
D6S1846
ESR1
DROP1
EMI1
OVCA Foulkes '93
Invasive OVCA Rodabaugh '95
OVCA Colitti '98
Papillary serous CA peritoneum Huang 2000
Breast CA Utada 2000
Breast CA Fuji 1996
Preinvasive & early invasive Breast CA Chappell
Uterine cervix adenoCA Acevedo 2002
Non Small Cell Lung CA Gao 2002

Fig. 5

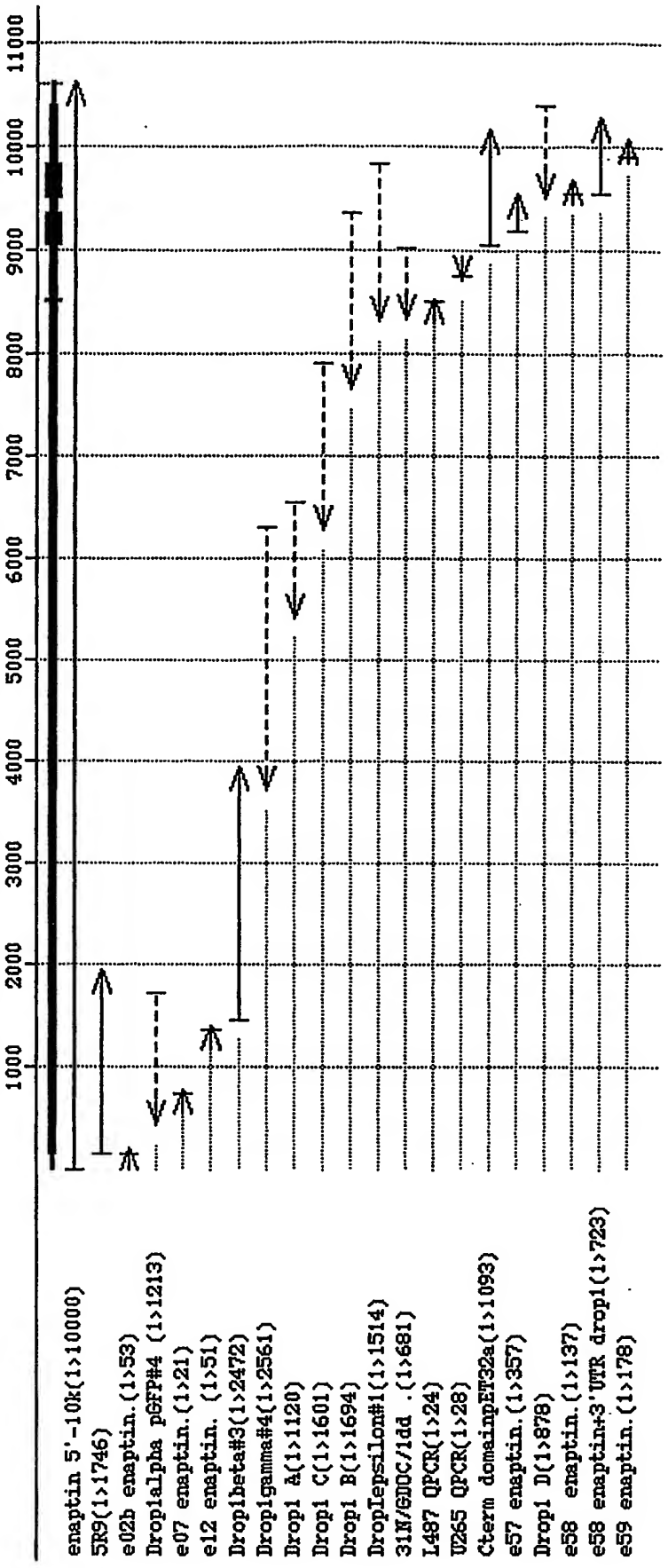
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
enaptin 5'-10k(1>10000)
5R9(1>1746)
e02b enaptin.(1>53)
Drop1alpha pGFP#4 (1>1213)
e07 enaptin.(1>21)
e12 enaptin. (1>51)
Drop1beta#3(1>2472)
Drop1gamma#4(1>2561)
Drop1 A(1>1120)
Drop1 C(1>1601)
Drop1 B(1>1694)
Drop1epsilon#1(1>1514)
31M/GDDC/1dd .(1>681)
L487 QPCR(1>24)
U265 QPCR(1>28)
Cterm domainpET32a(1>1093)
e57 enaptin.(1>357)
Drop1 D(1>878)
e58 enaptin.(1>137)
e58 enaptin+3'UTR drop1(1>723)
e59 enaptin.(1>178)

Fig. 6A

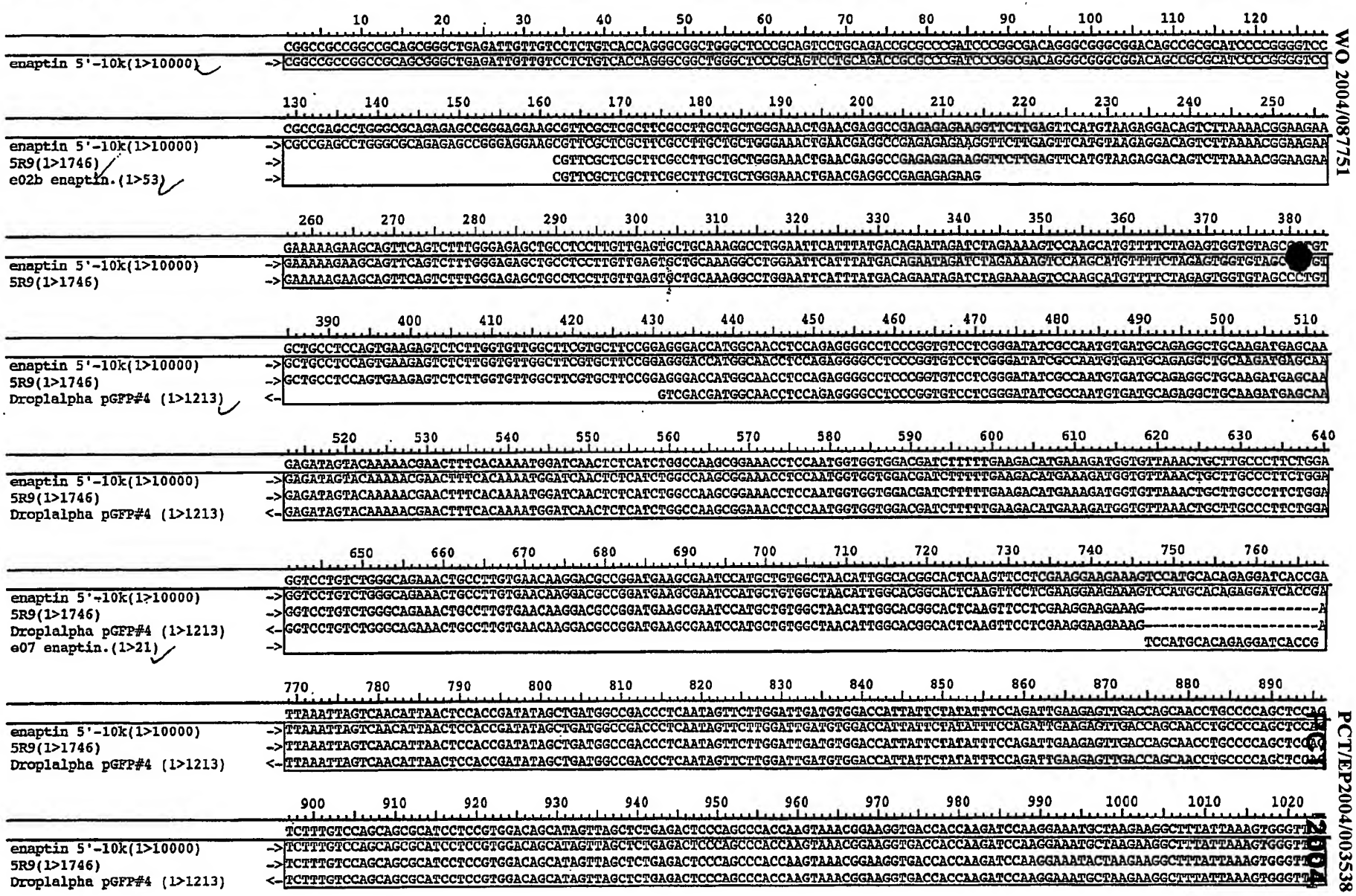

Fig. 6B

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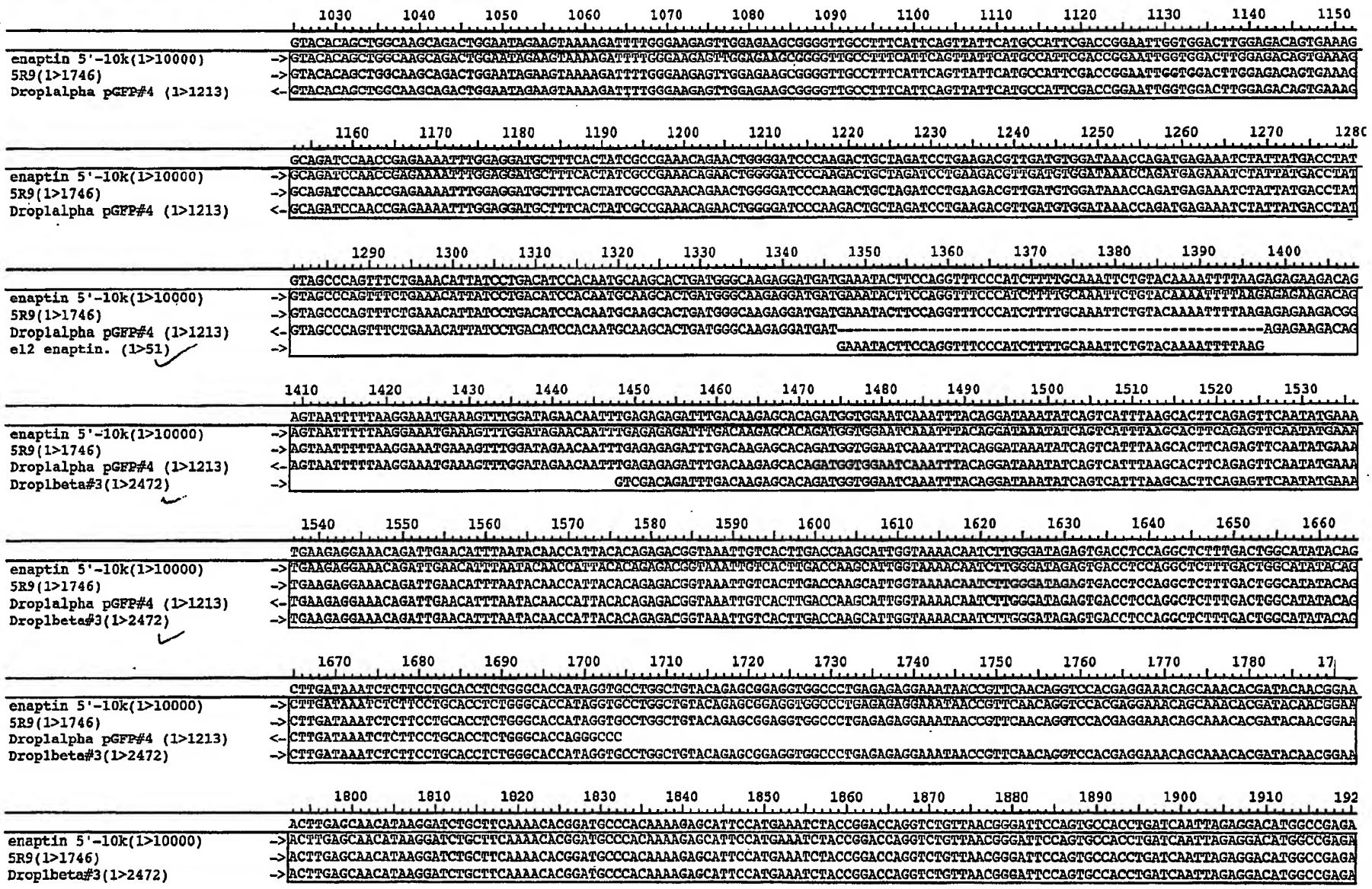

Fig. 6B (Forts. 1)

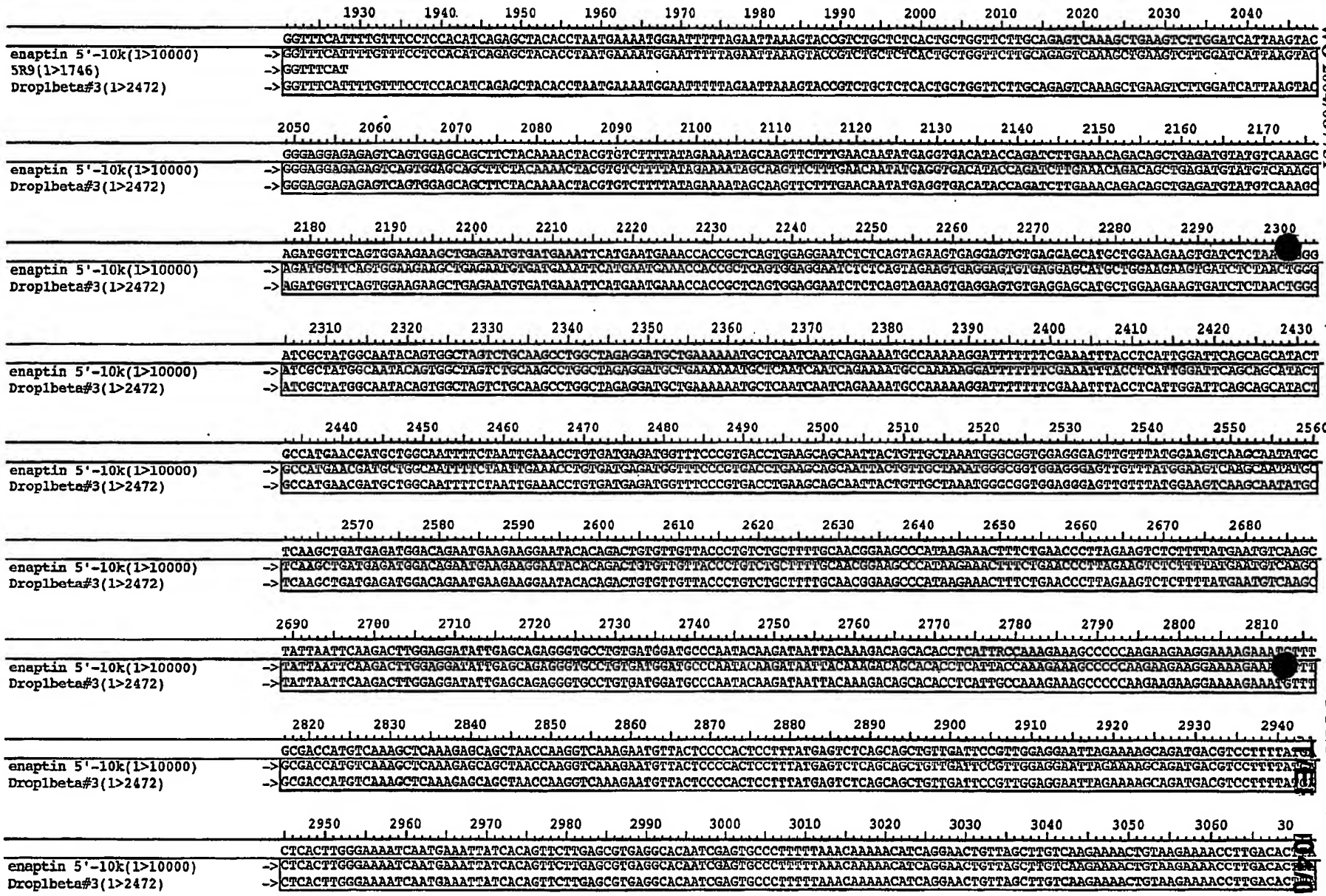

Fig. 6B (Forts. 2)

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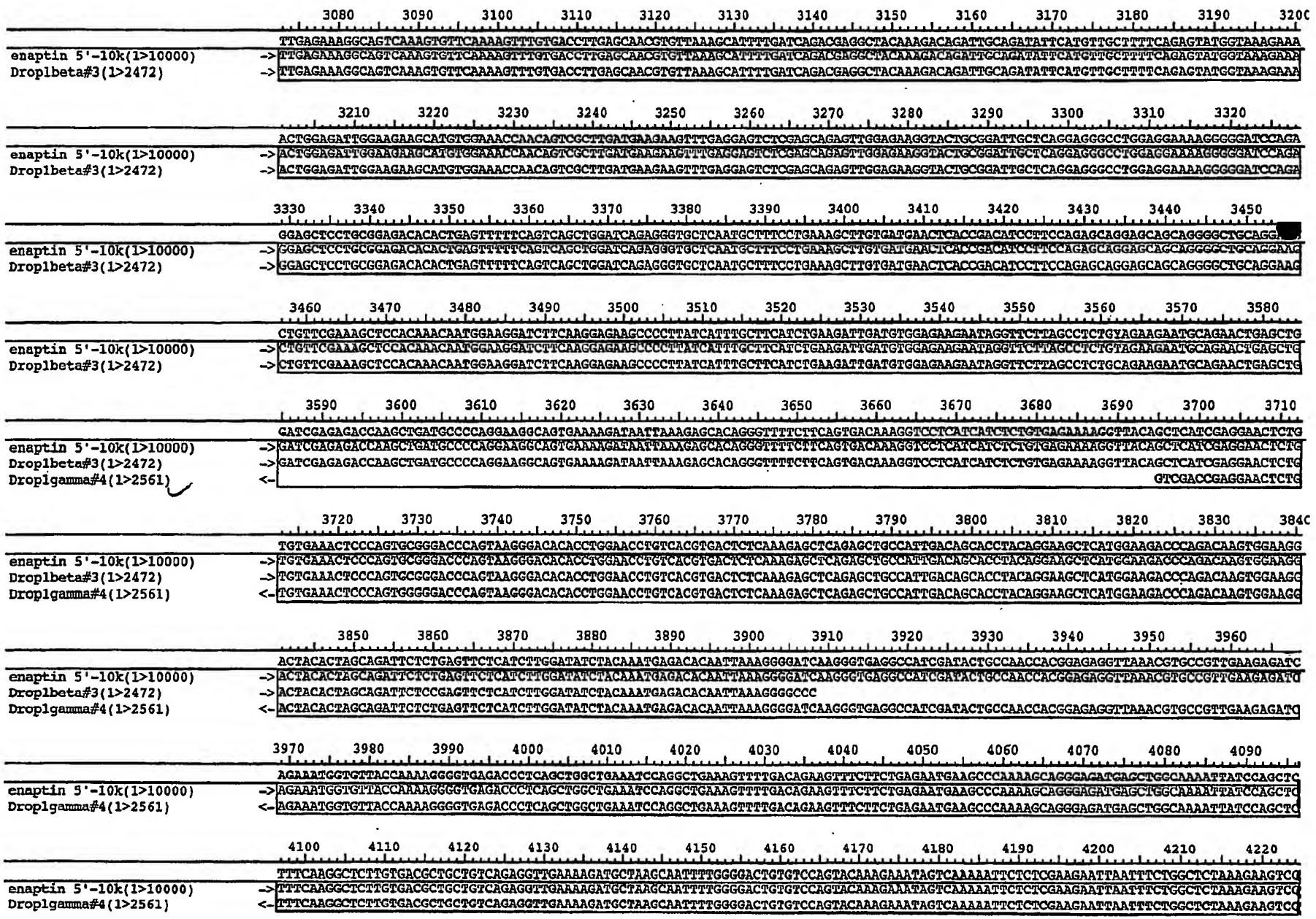

Fig. 6B (Forts. 3)

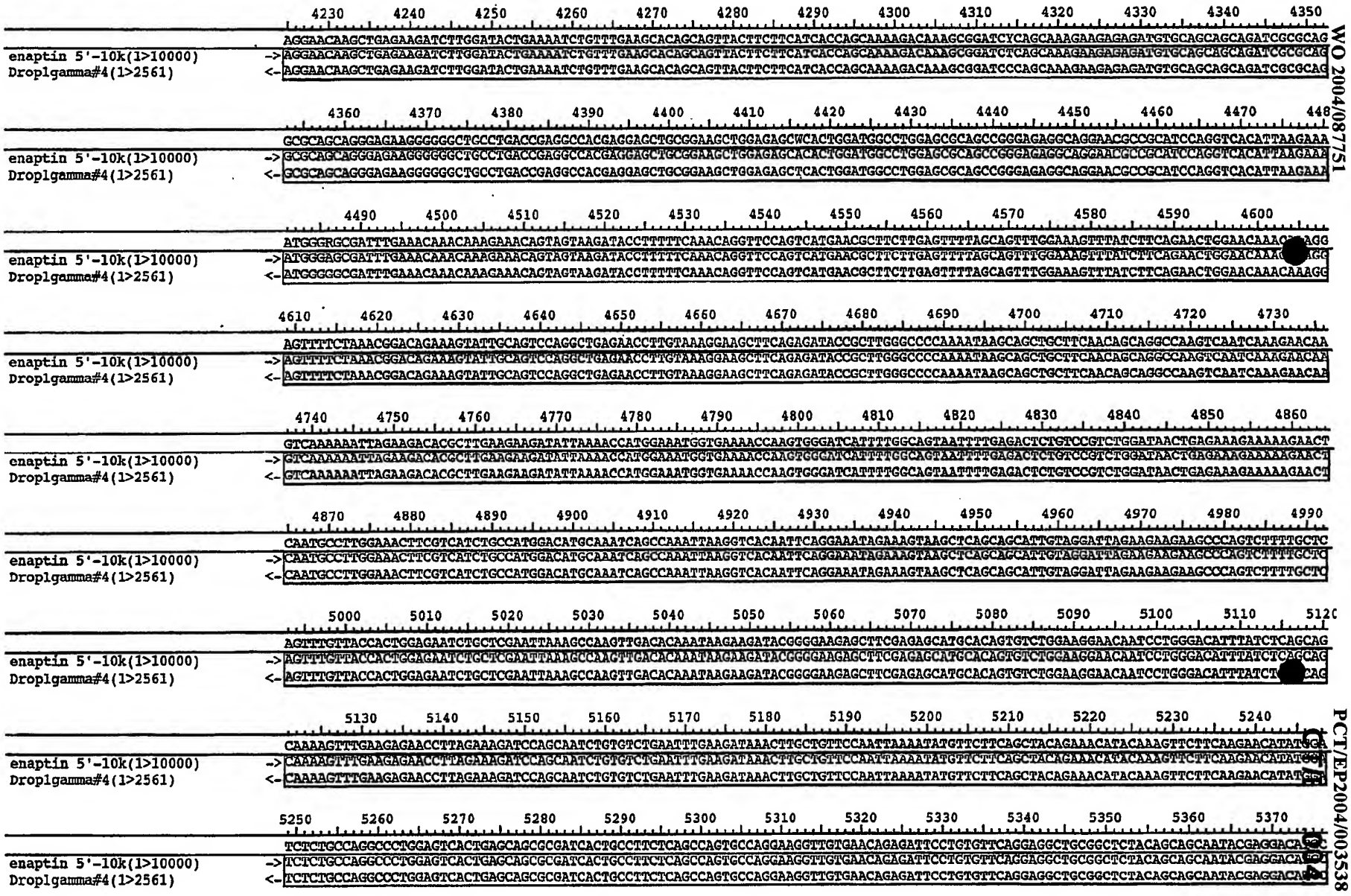

Fig. 6B (Forts. 4)

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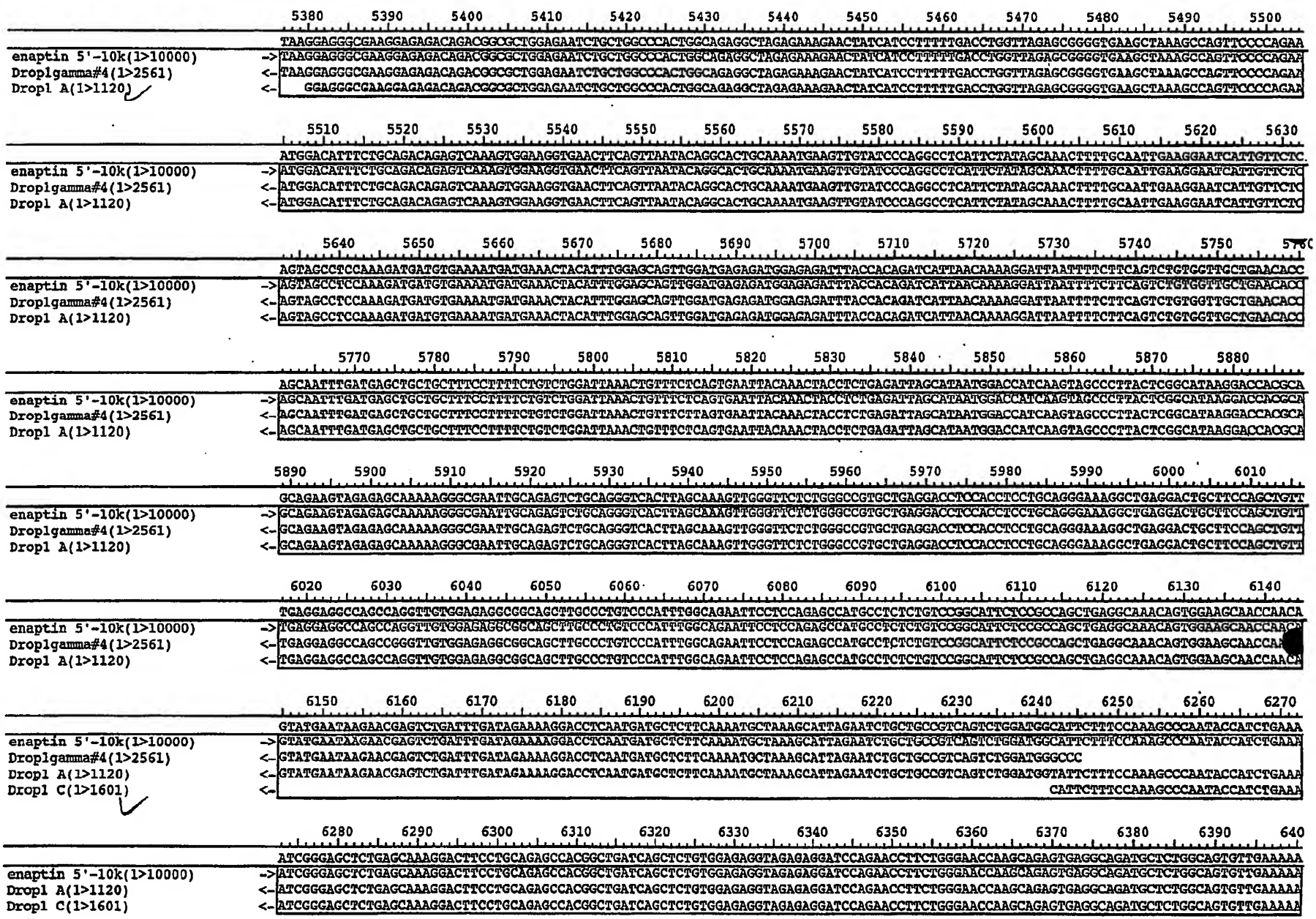

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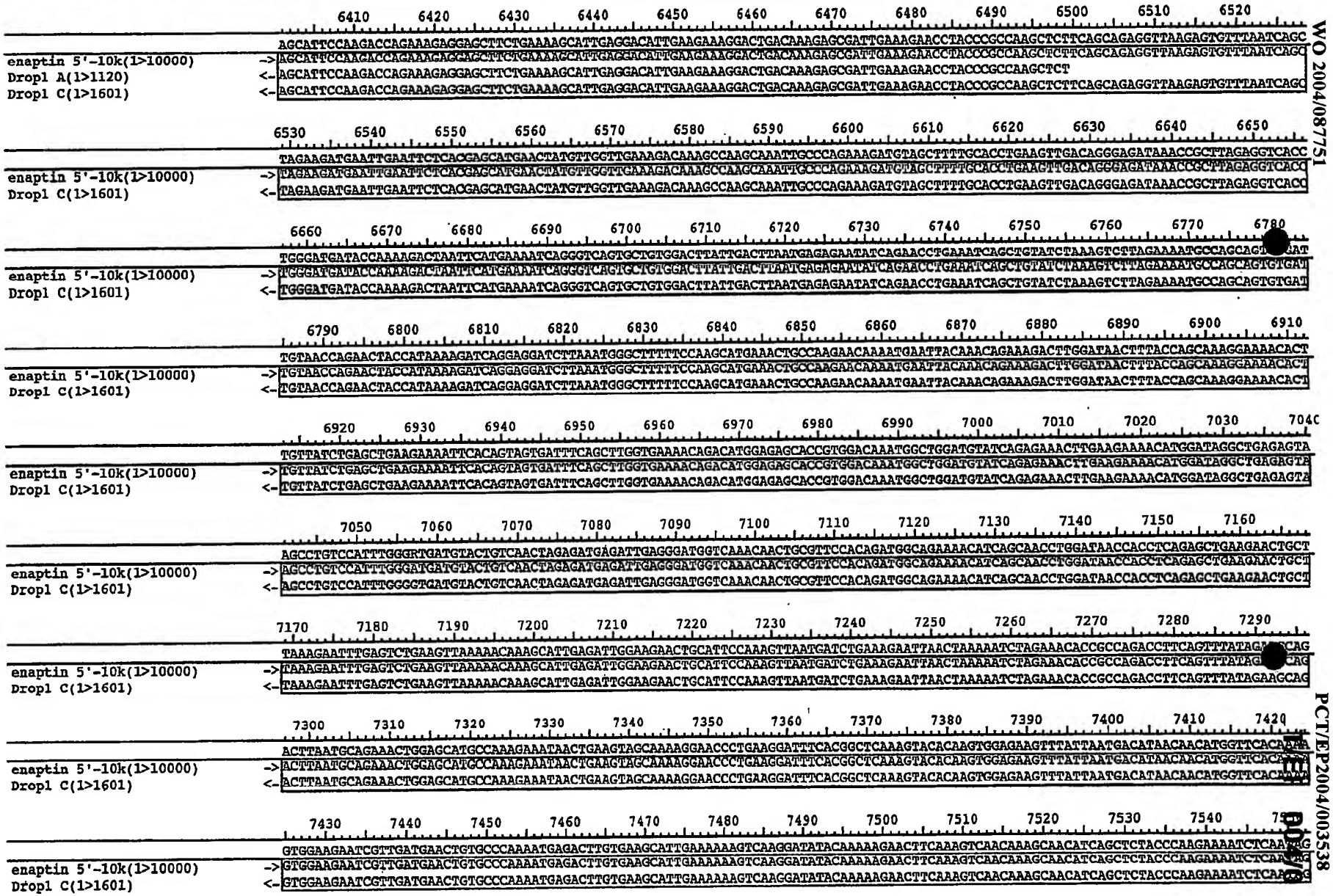

Fig. 6B (Forts. 6)

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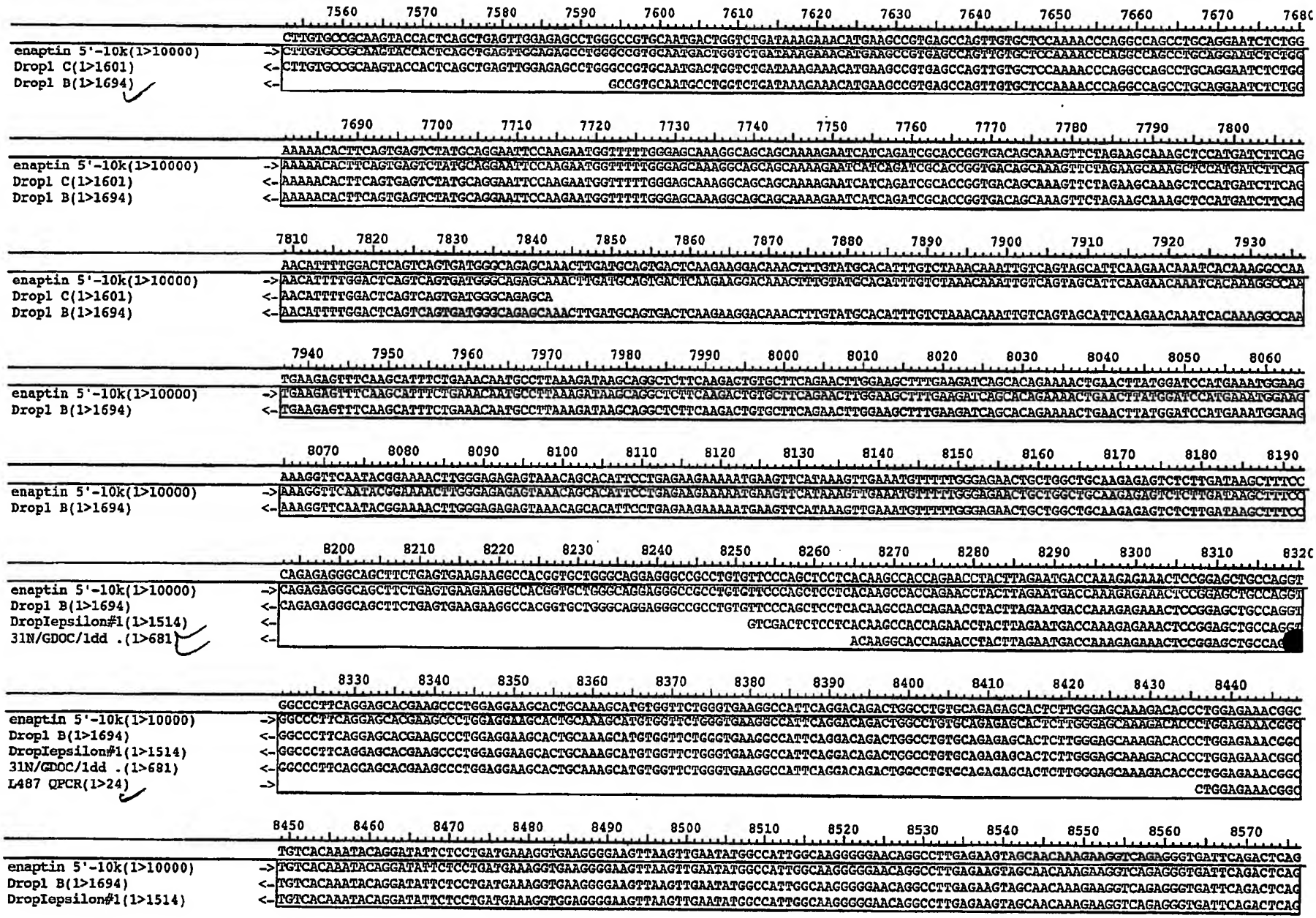

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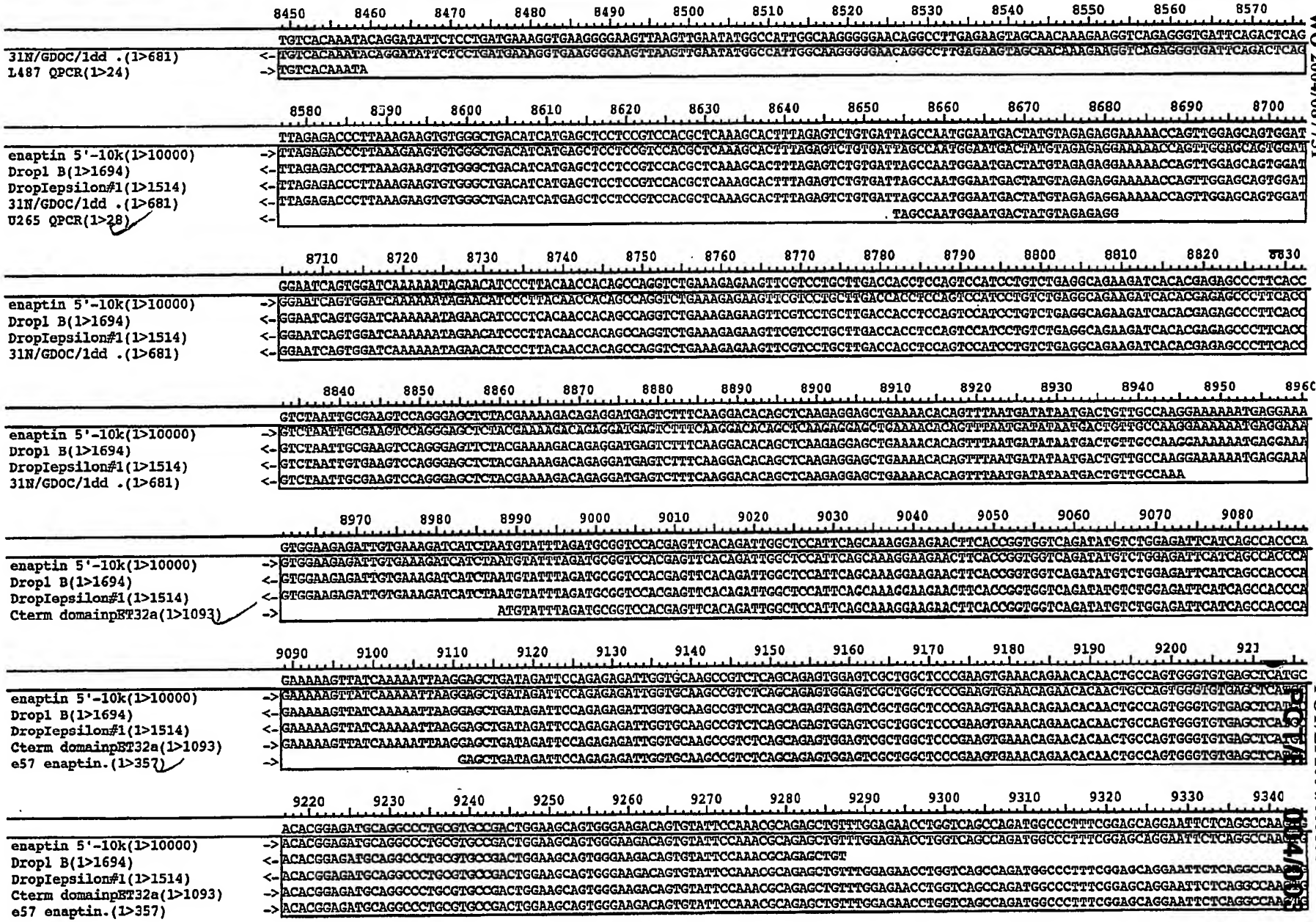

Fig. 6B (Forts. 8)

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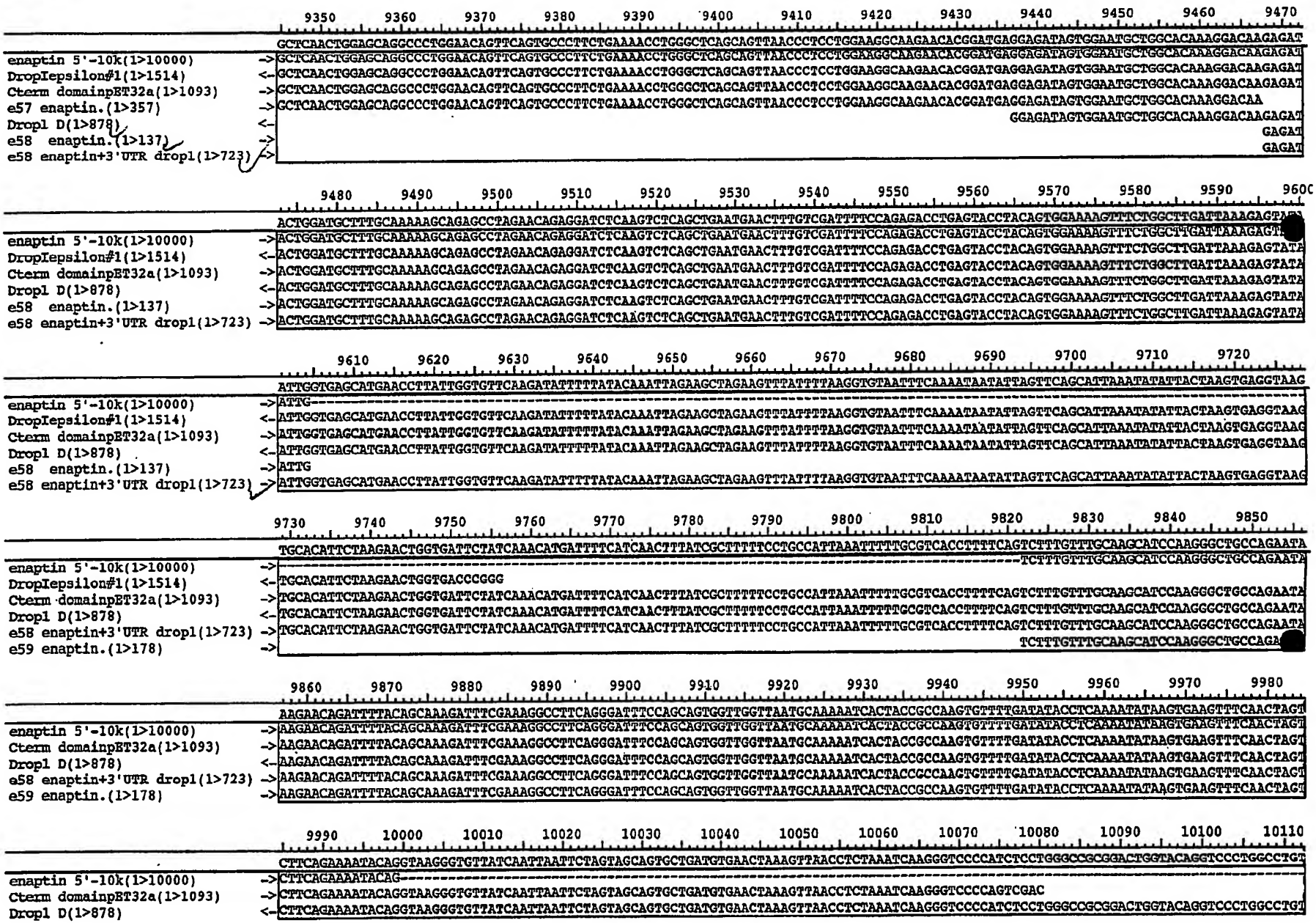

Fig. 6B (Forts. 9)

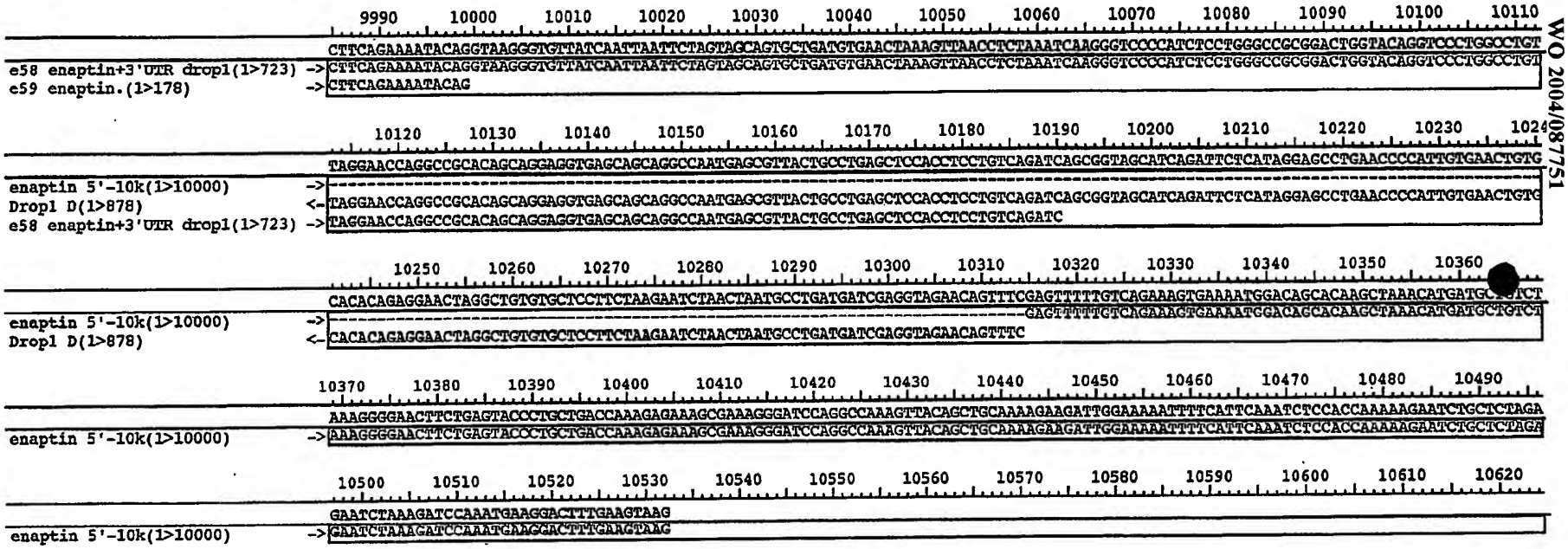

Fig. 6B (Forts. 10)

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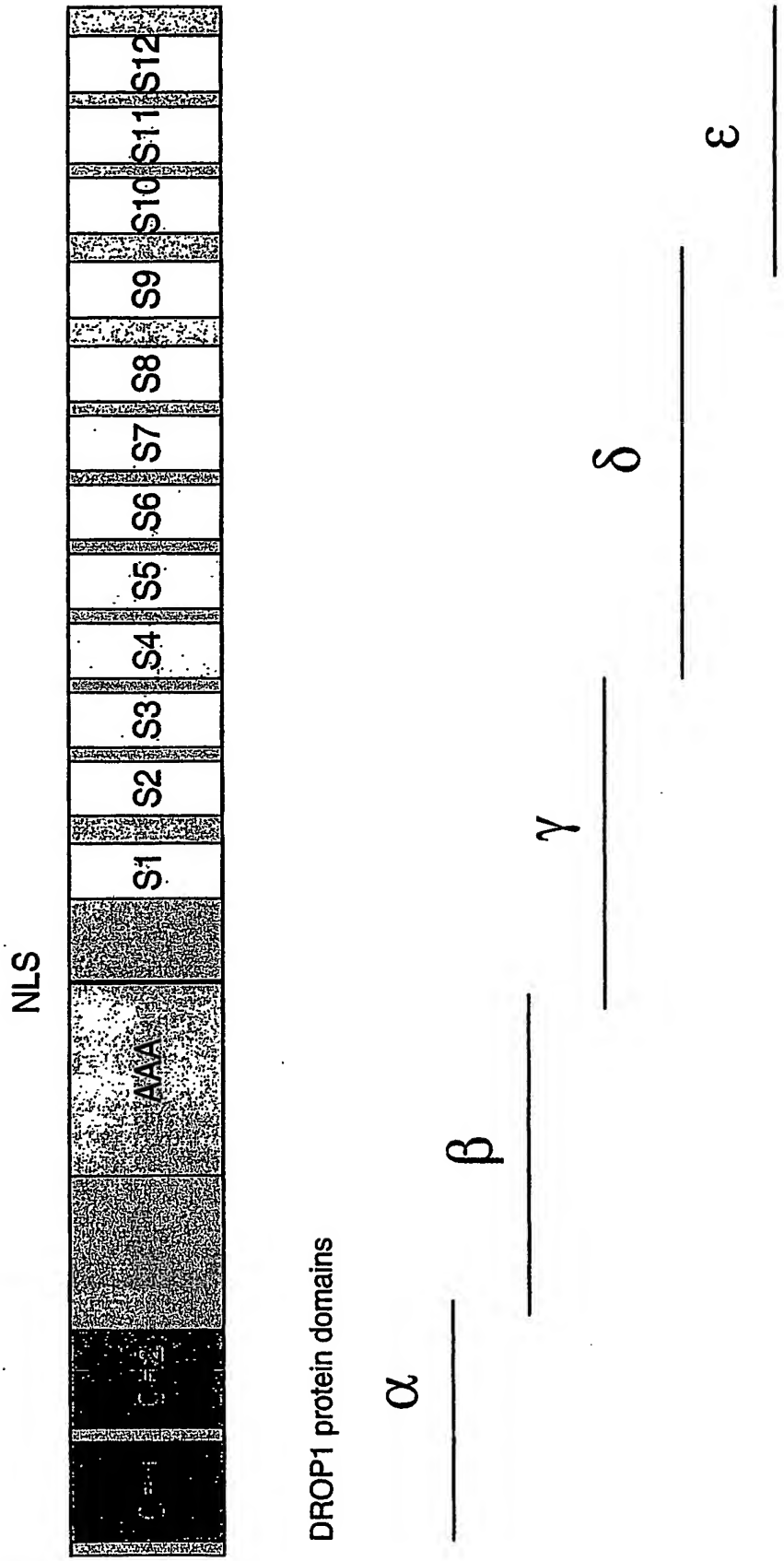

NLS
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
AAA
DROP1 protein domains
α
β
γ
δ
ε

Fig. 7

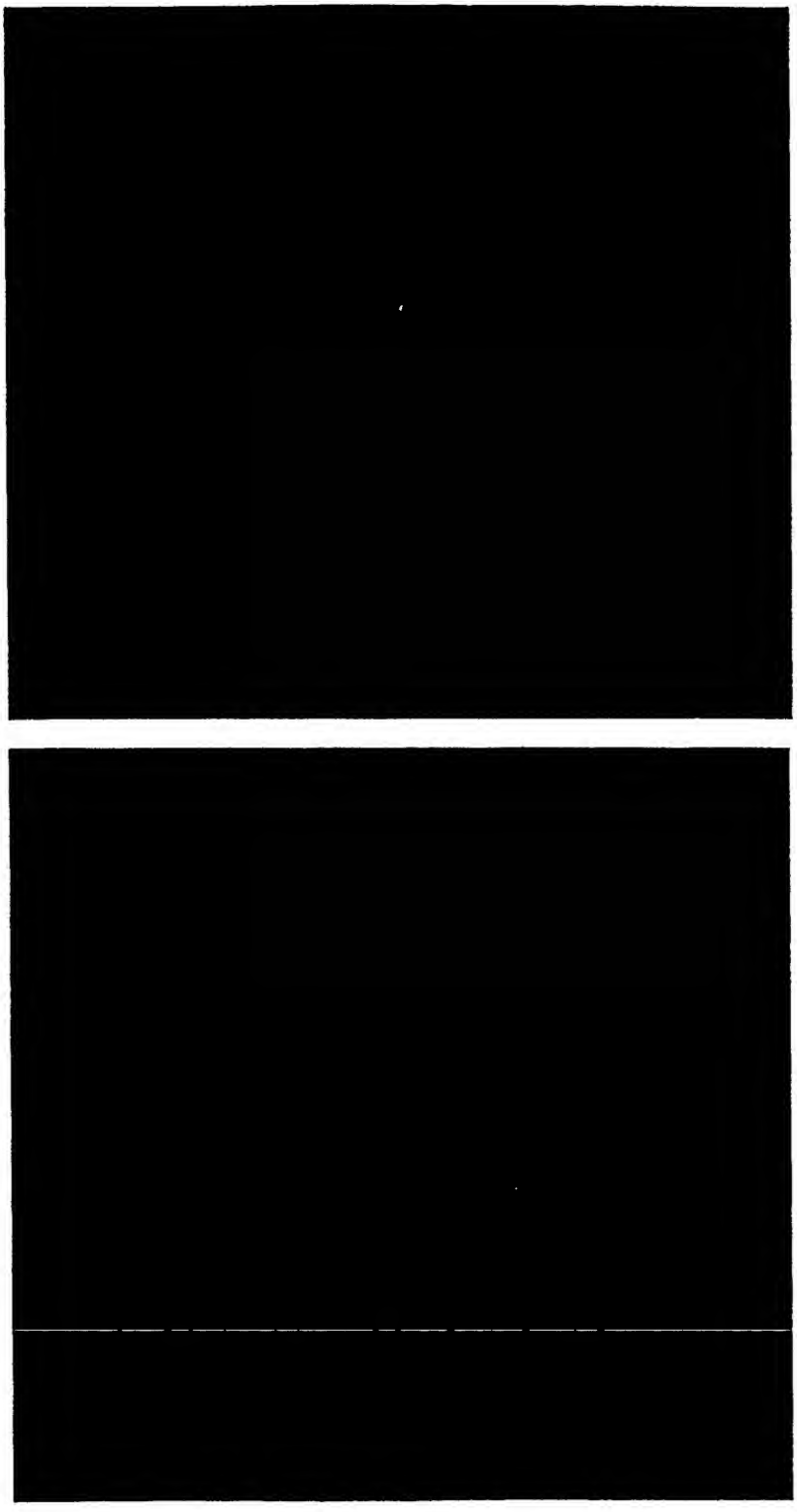


Fig. 8

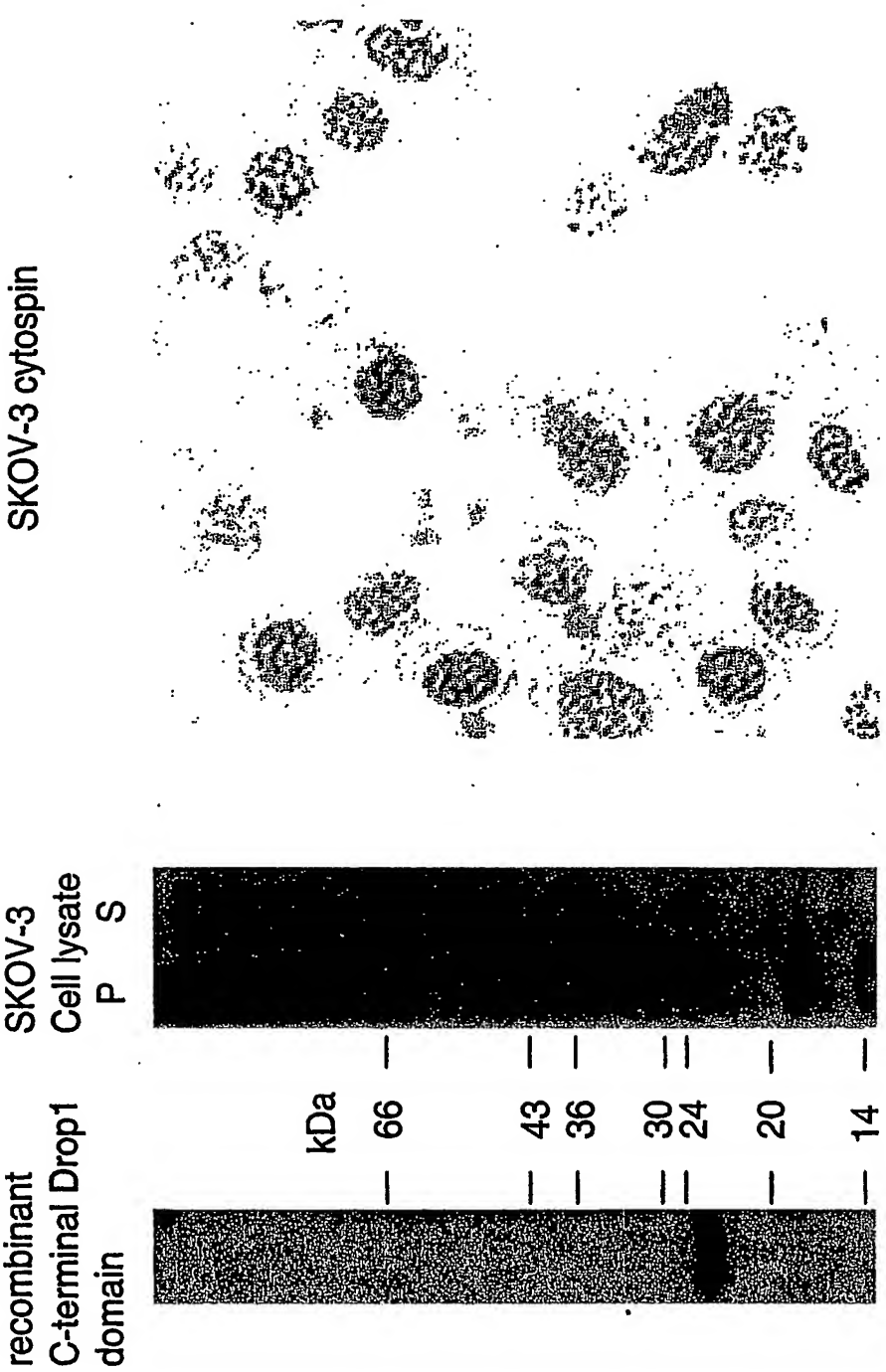

SKOV-3 cytospin
SKOV-3
Cell lysate
P S
recombinant
C-terminal Drop1
domain
kDa
66
43
36
30
24
20
14

Fig. 9

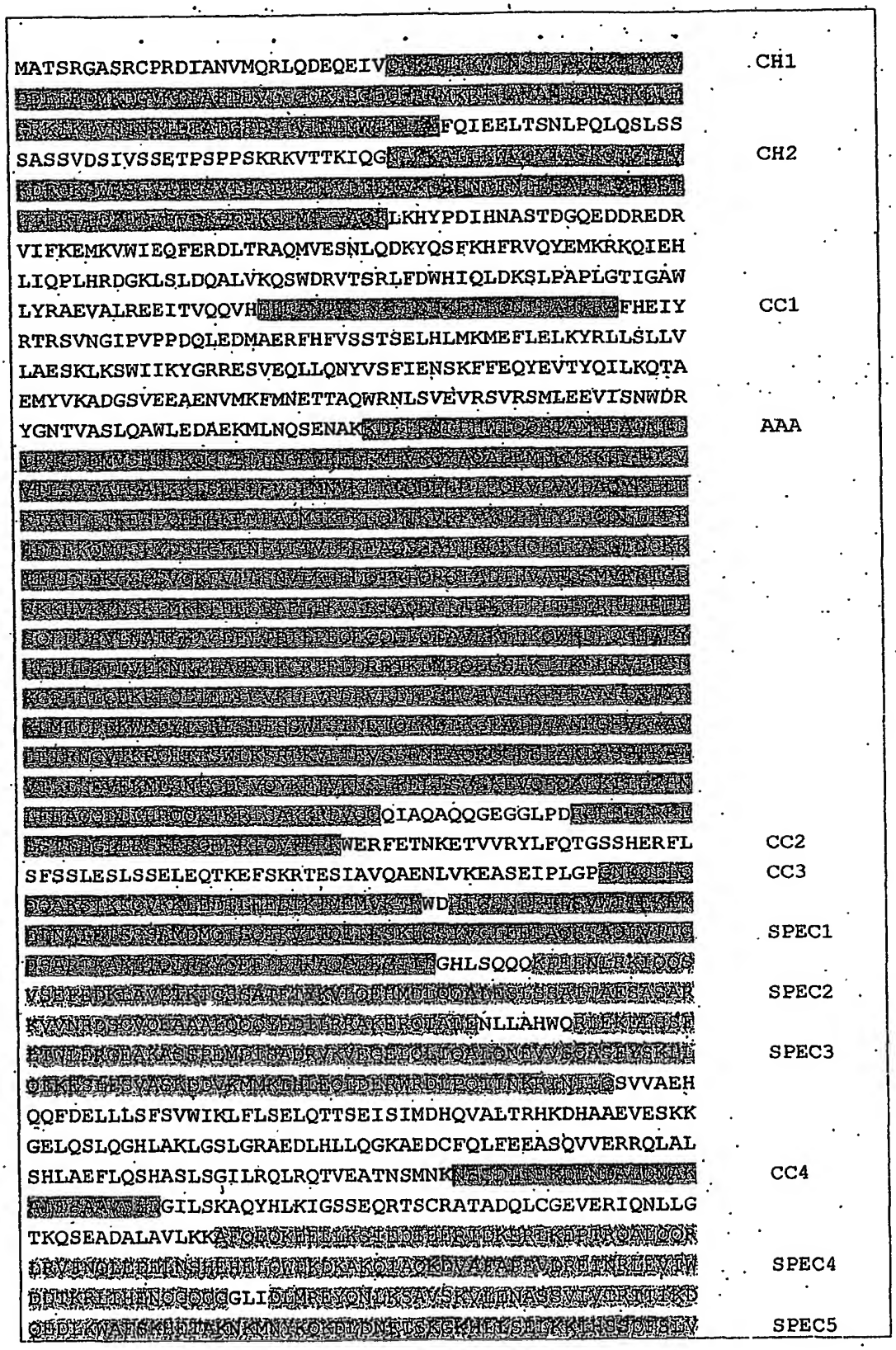


Fig. 10

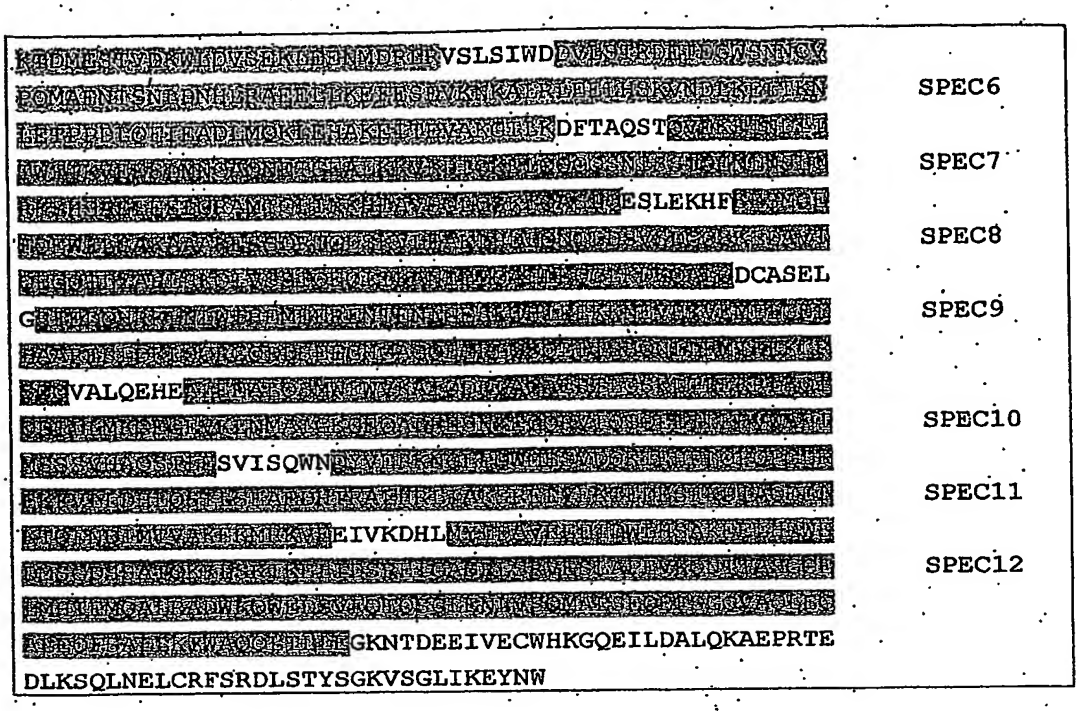
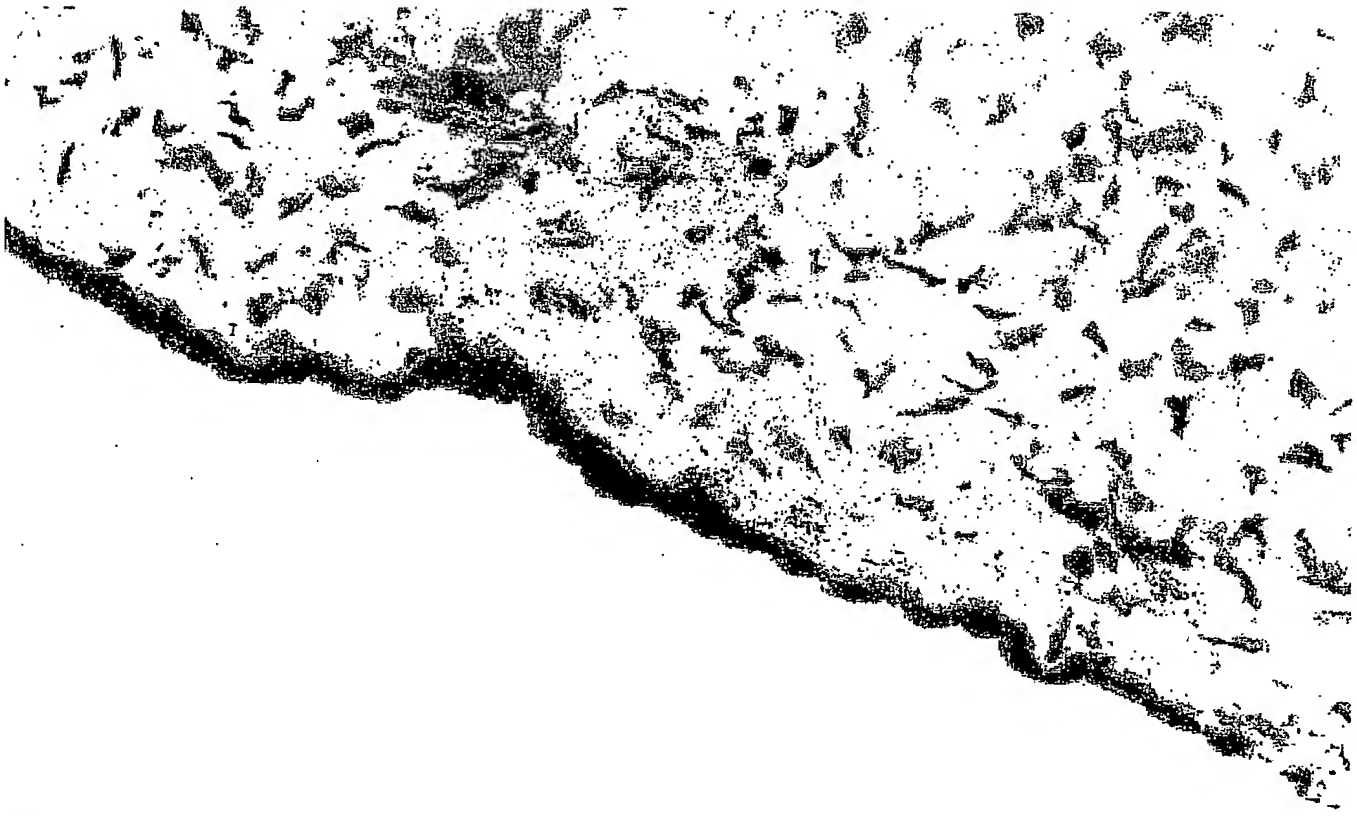


Figure 10 (Forts.)



Human ovary

Fig. 11

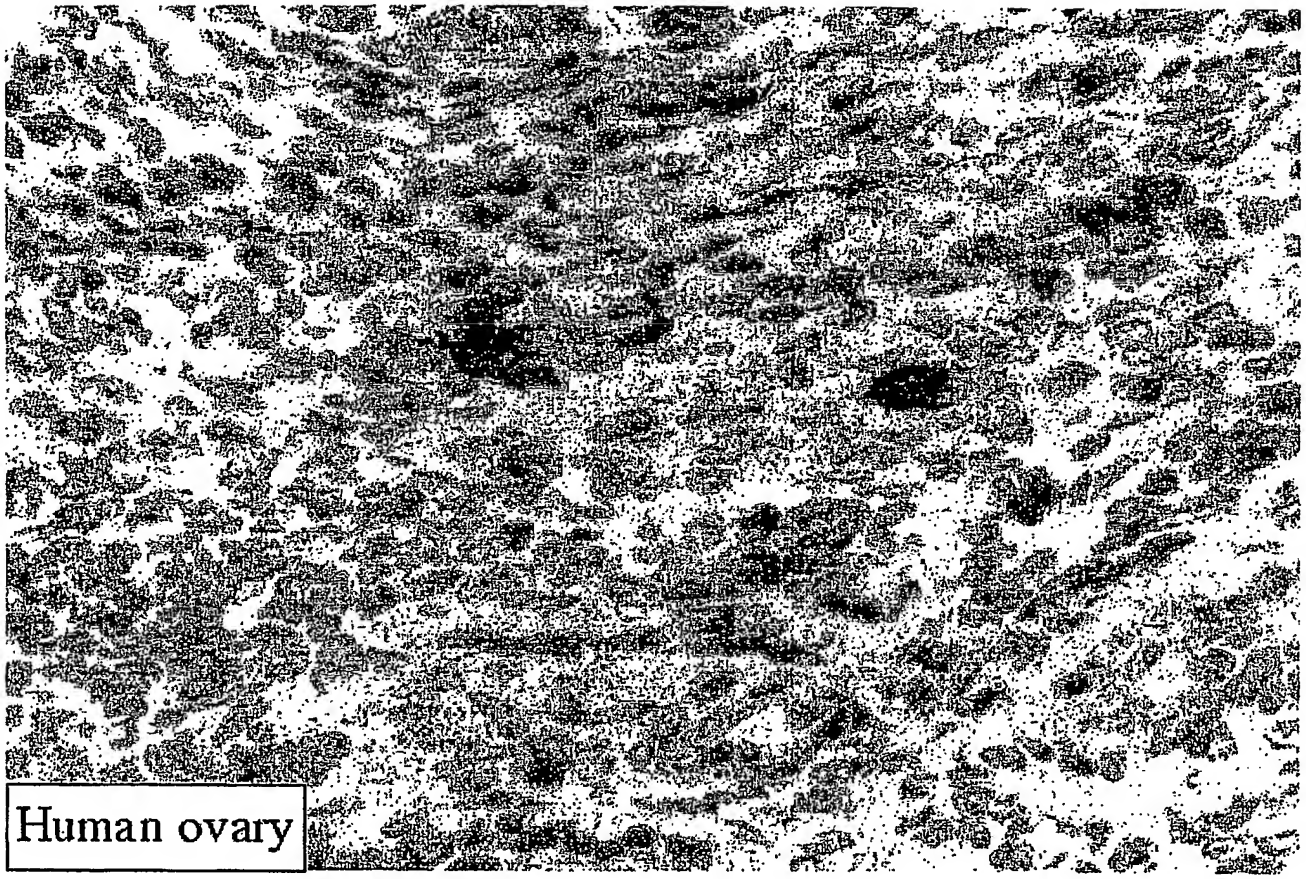


Fig. 12

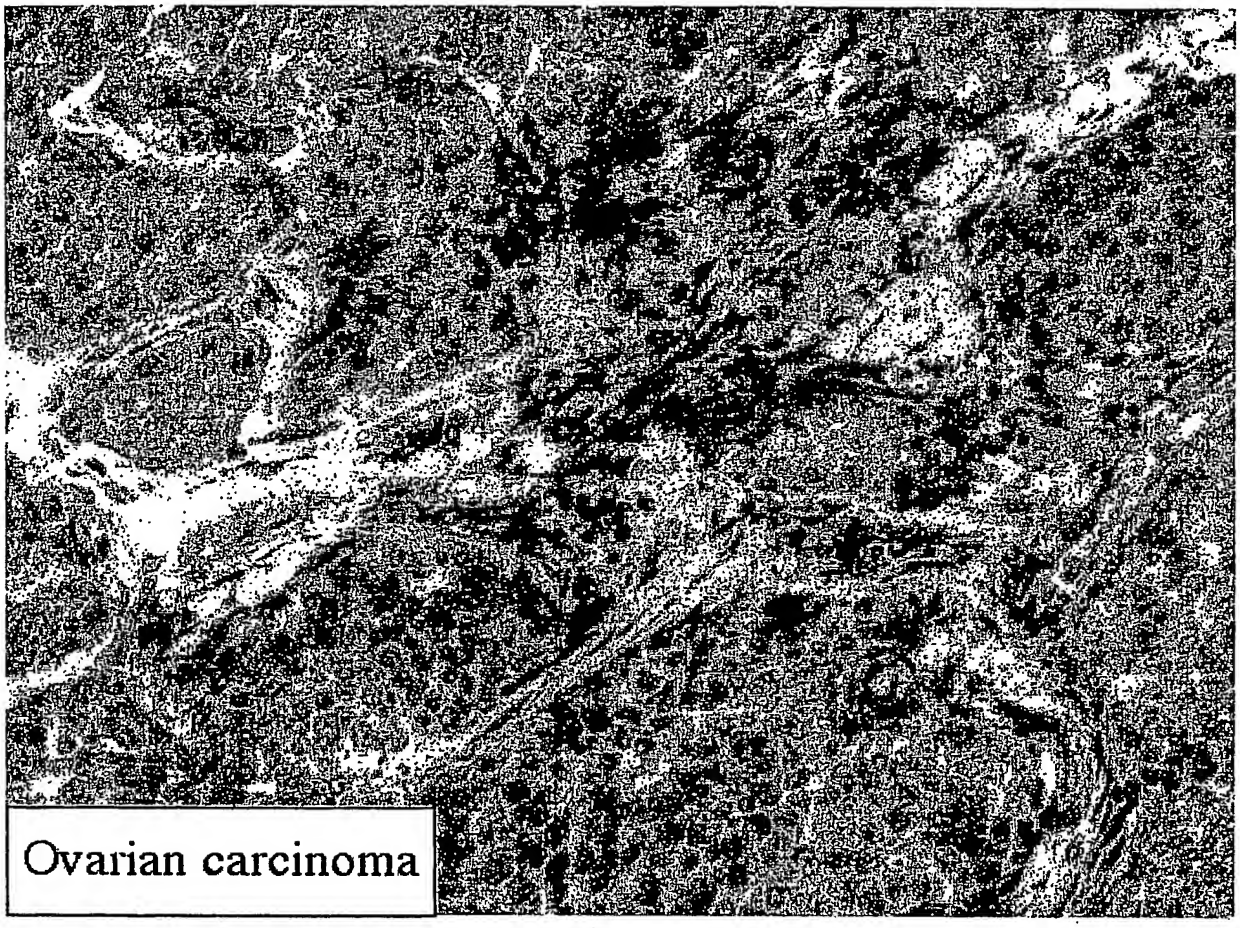


Fig. 13

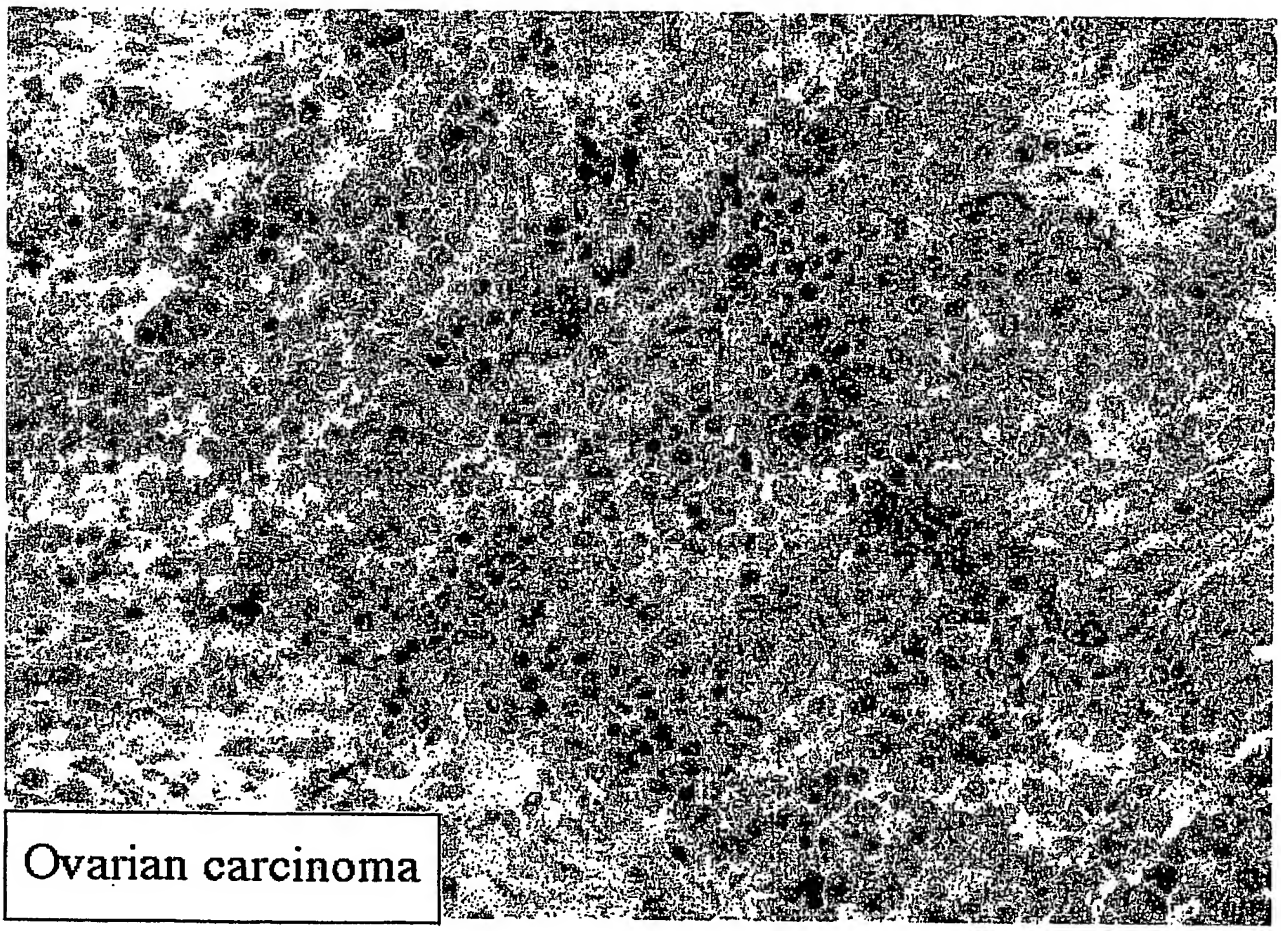


Fig. 14

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